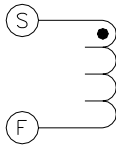
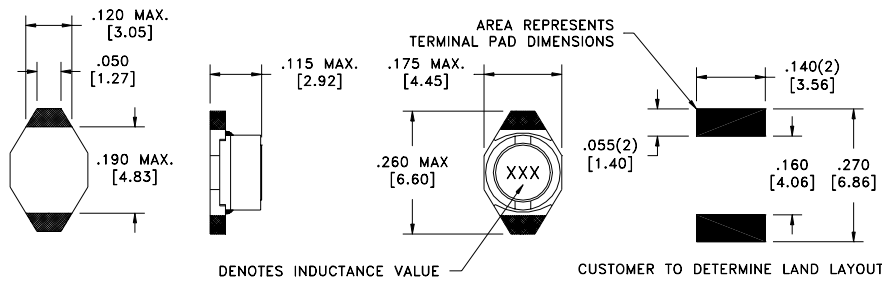


Surface Mount Drum Core Inductors: DSS-2612 Series



Part Number	Inductance uH (Note1)	DCR Max. Ω (Note2)	I _{SAT} ADC (Note3)	Q Min.	SRF MHZ
DSS-2612-1R0R	1.0	0.040	1.200	30 @ 200kHz	250
DSS-2612-1R5R	1.5	0.045	1.000	30 @ 200kHz	125
DSS-2612-2R2R	2.2	0.050	0.800	40 @ 200kHz	120
DSS-2612-3R3R	3.3	0.055	0.750	40 @ 200kHz	120
DSS-2612-4R7R	4.7	0.060	0.700	40 @ 200kHz	105
DSS-2612-6R8R	6.8	0.065	0.580	40 @ 200kHz	50
DSS-2612-100R	10	0.075	0.370	40 @ 200kHz	38
DSS-2612-150R	15	0.090	0.330	40 @ 100kHz	33
DSS-2612-220R	22	0.110	0.280	40 @ 100kHz	25
DSS-2612-330R	33	0.190	0.250	40 @ 100kHz	20
DSS-2612-470R	47	0.230	0.200	40 @ 100kHz	20
DSS-2612-680R	68	0.290	0.140	40 @ 100kHz	15
DSS-2612-101R	100	0.480	0.130	40 @ 100kHz	10
DSS-2612-151R	150	0.590	0.080	40 @ 100kHz	9
DSS-2612-221R	220	0.770	0.075	40 @ 100kHz	6
DSS-2612-331R	330	1.40	0.066	40 @ 100kHz	5
DSS-2612-391R	390	1.60	0.063	40 @ 100kHz	4
DSS-2612-471R	470	1.80	0.060	40 @ 100kHz	4
DSS-2612-681R	680	2.20	0.050	40 @ 100kHz	3
DSS-2612-102R	1000	3.40	0.043	40 @ 100kHz	2
DSS-2612-152R	1500	4.20	0.028	50 @ 100kHz	2
DSS-2612-222R	2200	8.50	0.025	50 @ 100kHz	2
DSS-2612-332R	3300	11.00	0.022	50 @ 100kHz	1
DSS-2612-472R	4700	13.90	0.019	50 @ 100kHz	1
DSS-2612-682R	6800	25.00	0.016	50 @ 100kHz	1
DSS-2612-103R	10000	32.80	0.012	50 @ 100kHz	0.8

Note1: Inductance value at 100kHz, 100mV, 0ADC

Note2: DCR limits a 20°C

Note3: Saturating DC current for approximate temp. rise of 30°C from a 25°C ambient

Features

- Economical, reliable SMD inductors
- Inductance range: 1.0 to 10,000 μH
- Low-profile package
- High energy storage and low resistance
- Current capabilities to 3.0A
- Designed for pick and place
- Compatible with 240°C reflow profiles

Applications

- DC/DC converter supplies
- High-frequency, medium and low voltage supplies
- Notebook computer, PDAs, peripheral, cell phone, process control, factory automation and test applications
- Battery-powered and low voltage converters

Environmental Specifications

- Operating temp range: -40° to +85°C
- Storage temp range: -50° to +125°C

Packaging

- EIA-481-2 embossed 12mm carrier tape
- 2,500 pieces per 13" reel

Details subject to change. Contact your Midcom sales representative for additional information. Dimensions: in/mm. All tolerances are ±.010/0.25 and electrical specifications are @25°C unless otherwise specified.